LEDCube–HDR–5

Any SPD Simulator

LEDCube is an illuminator that simply and accurately simulates any lighting environment, covering a wide range of CCTs and a high dynamic range of luminance. There are 48 channels available for assessing camera quality.

LEDCube-HDR-5	
Digital driving channels	48
LED channels*1	5
Spectral range	420-730nm
LED channel drive method	Amplitude Modulation, AM(default) / Pulse-width modulation, PWM(customized) / AP*2
Resolution*3	12,000 levels (4,000 levels each in high power, medium power and low power modes)
Warm up time	No
LED Lifetime	>10,000 hours
Capacity	80 light source in LEDCube hardware, unlimited in software
Predefined illuminants*4	2000K (Ra>90) 2700 K (Ra>90) 3000 K (Ra>90) 3500 K -(Ra>90) 4100 K (Ra>90) 5000 K (Ra>90) 6500 K (Ra>90) 10000K (Ra>90) or customer specify Sources stored in the hardware can be reprogrammed by software LEDColorLib
Tunable range	CCT：2000~10000K，tolerance<±100K; Duv ：-0.02~+0.02，tolerance<±0.003 Ra:>90
Max illuminance	The following data refers to one LEDCube-HDR. Higher illuminance can be achieved by using multiple LEDCube-HDRs; All color temperatures (from 2000K to 10000K) have an actual measured illuminance of around 12000 lux at a distance of 1 meter.
Short-term stability*5	ΔCCT<±20K; ΔLuminance <±1%（Not high power） ΔCCT<±100K，ΔLuminance <±5% (High power）
Long-term stability*6	ΔCCT<±50K; ΔLuminance <±2%（Not high power）
Software instrument compatibility	Konica Minolta CL500A&CS-2000, THOUSLITE FS& FS-VIS-IR , Jeti Specbos 1211/1211UV
Electrical	10/230V, 50/60Hz, 1000W
Operating ambient temperature	0-30°C
Connection	USB cable, touch screen controller
Dimensions(L/W/H) & Weight	420×420×260 mm, 390×390(emitting size), 18 kg
Scope of delivery	LEDCube-HDR light source, power cord, USB cable, wireless sender,touch screen controller
Supplementary accessories	Ceilling installation kit, measurement device, customerized Munsell N7 viewing cabinet, customerized aluminium frame support
Software (optional)	LEDColorLib Windows application; SDK

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